wind power projects. The State Government has issued guidelines for establishment of wind farms in private land to encourage private investment in the sector and is conducting micro surveys in potential areas to identify sites suitable for establishment of wind farms.

Tapping of non-conventional energy potential

2970. SHRI BALAVANT *ALIAS* BAL APTE:
SHRI SHREEGOPAL VYAS:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government have taken any steps to provide equal opportunities for tapping non-conventional energy potential in all the States;

(b) if so, the details thereof; and

(c) the details of the progress made, so far, in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) To provide equal opportunities for tapping new and renewable energy in the country, financial and fiscal incentives are being provided that include capital/ interest subsidy, accelerated depreciation, concessional duties and relief from income tax on profit earned from sale of power, which are applicable in all States/UTs. These apart, the Electricity Act 2003, National Electricity Policy, 2005 and National Tariff Policy, 2006 provide a common framework for the regulation of renewable power in all States/UTs. However, this Ministry's schemes relating to biogas plants, biomass gasifiers and small hydro power projects provide for a somewhat higher level of Central financial assistance for Special Category States. Further, subsidy on solar lanterns is available for unelectrified villages only in Special Category States.

(c) State-wise details of cumulative achievements throughout the country under various renewable energy programmes, as on 31.03.2007 are given in Statement.

Statement

State-wise cumulative achievements under various non-conventional energy programmes as on 31.03.2007.

A. Grid-Connected Renewable Power

Sl. No.	State-UT	Small Hydro Power	Wind Power	Bio Power		Solar Power	Total Capacity
				Biomass Power	Waste to Energy		
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	178.85	122.40	301.25	28.50	0.10	631.10
2	Arunachal Pradesh	45.24				0.03	45.27
3	Assam	2.11					2.11
4	Bihar	50.40					50.40
5	Chhattisgarh	18.05		113.30			131.35
6	Goa	0.05					0.05
7	Gujarat	7.00	636.60	0.50			644.10
8	Haryana	62.70		6.00			68.70
9	Himachal Pradesh	141.61					141.61
10	Jammu & Kashmir	111.83					11.83
11	Jharkhand	4.05					4.05
12	Karnataka	416.50	821.10	254.28	1.00		1492.88
13	Kerala	98.12	2.00			0.03	100.15
14	Madhya Pradesh	51.16	57.30	1.00	2.70	0.10	112.26
15	Maharashtra	209.33	1487.70	76.00	1.00		1774.03
16	Manipur	5.45					5.45
17	Meghalaya	30.71					30.71
18	Mizoram	17.47					0.00
19	Nagaland	20.67					20.67

Sl. No.	State-UT	Small Hydro Power (MW)	Wind Power (MW)	Bio Power		Solar Power (MW)	Total Capacity (MW)
				Biomass Power (MW)	Waste to Energy (MW)		
20	Orissa	7.30					7.30
21	Punjab	123.90		28.00	1 00	0.33	153.23
22	Rajasthan	23.85	469.80	23.00		0.15	517.10
23	Sikkim	39.11					39.11
24	Tamil Nadu	89.70	3492.79	215.50	4.25	0.05	3802.29
25	Tripura	16.01					16.01
26	Uttar Pradesh	25.10		121.50	5.00	0.38	151.98
27	Uttaranchal	75.67				0.05	75.72
28	West Bengal	98.40	1 10			0.05	99.55
29	Andaman & Nicobar	5.25				0.10	5.35
30	Chandigarh						
31	Dadra & Nagar Haveli						
32	Daman & Diu						
33	Delhi						
34	Lakshadweep					0.76	0.76
35	Pondicherry					0.03	0.03
	Others	17.48	3.20			0.79	21.47
	TOTAL (MW)	1975.60	7093.99	1140.63	43.45	2.93	10256.60

MW=megawatt

B. Off-grid/Decentralized Renewable Energy Systems/Devices:

Sl No	States/UT Village	Biogas Plants	Biomass Gasifiers	Waste to Energy Plants	Solar Photovoltaic Systems SPV SLS	HLS	SL	PPPumps	Water Pumping	Aerogen/ systems	Solar Hybrid	Remote Cookers Electrification Villages/ Hamlets
		(Nos.)	(MW)	(MW)	No.	No.	No.	kWp	(Nos)	(Nos)	(kW)	(Nos)	(Nos.)
1	Andhra Pradesh	400857	15.88	4.70	3733	1530	35152	21.66	613	6	16.00	12867	
2	Arunachal Pradesh	2210	1.98		788	1770	9937	7.90	1			530	112
3	Assam	58667	0.12		98	2787	541	7.54	45	3	6.00	80	39
4	Bihar	124935	0.02		690	1069	33765		139	46		475	
5	Chhattisgarh	18645	0.51		1409	7028	3192		61			37136	325
6	Goa	3707	0.02		178	202	443	1.72	15		39.00	1.00	
7	Gujarat	378846	15.21	2.95	2004	5918	31603	29.90	85	715	10.00	114595	2
8	Haryana	49190	1.40		2341	15266	32727	24.20	469			24366	45
9	Himachal Pradesh	44866	0.01		27294	13948	20697	1.50	6			28264	1
10	Jammu & Kashmir	2122	0.52		389	15317	9202	75.60	39			368	117
11	Jharkhand	2083	0.18		620	4035	16374					280	4
12	Karnataka	293236	6.42		1279	1091	7334	29.41	456	25	10.00	254	
13	Kerala	108313	0.73		1090	18679	41181	44.70	810	79	8.00	236	558
14	Madhya Pradesh	247566	6.50		6054	1307	8564	22.40	87			141618	30
15	Maharashtra	719064	5.97	1.76	3491	825	8683	6.44	228	26	457.62	58044	110
16	Manipur	2128			370	1650	3833	11.00	12			365	149
17	Meghalaya	4226	0.25		593	3040	10875	42.00	19			1165	25
18	Mizoram	3470	0.20		315	3045	5812	109.00	37			110	20
19	Nagaland	2617	0.78		271	143	95	6.00					
20	Orissa	224373	0.27	0.03	5819	4485	9882	36.52	8			3437	18

Sl. No	States/UT Village	Biogas Plants	Biomasswaste to Energy Plants	Gasifiers	Solar Photovoltaic Systems SLS	HLS	SL	PPP	SPV umps	Water Pumping systems	Aerogen/	Solar Hybrid	Remote Cookers Electrification Villages/ Hamlets
		(Nos.)	(MW)	(MW)	No.	No.	No.	kWp	(Nos)	(Nos)	(kW)	(Nos)	(Nos.)
21	Punjab	80856	0.70	1.58	3037	4620	14995	71.00	1821			22050	
22	Rajasthan	66941	1.07		6632	50551	4716	2.580	283	222	4.00	36683	129
23	Sikkim	5574	0.00		162	2016	720	14.70			10.00	20	13
24	Tamil Nadu	210616	6.46	2.98	2672	471	16818	30.05	829	56	25.00	1537	
25	Tripura	2442	1.10		760	2800	20805	24.57	25			80	236
26	Uttar Pradesh	407966	5.35	5.73	950	50938	52815	129.20	75.1			51664	
27	Uttaranchal	6603			800	43331	47027	80.03	26			8047	430
28	West Bengal	263587	13.55		2111	36890	3662	675.00	48		18.00	7959	1173
29	Andaman & Nicobar	137	0.17		358	405	6296	167.00	5	2		60	
30	Chandigarh	97				275	1675		12			1529	
31	Dadra & Nagar Haveli	169										80	
32	Damand & Diu												
33	Delhi	677	0.07		301		4753	30.00	89			27990	
34	Lakshwadeep						85.00						
35	Pondicherry	573	0.60		62	13	1637		21		5.00	90	
	Others		0.32		9150	8584	99797	58.00	28			16750	
	TOTAL (MW)	3837379	86.35	19.73	61321	313859	565658	1867.80	7068	1180	608.62	600229	3651

SLS=Street Lighting System; HLS-Home Lighting System;SL=Solar Lanterns; SPV=Solar Photovoltaic; MW=Mega Watt; KWp=kilowatt peak;